

ABSTRACT OF THE DISCLOSURE

A variable gear ratio device featuring geared segments with variable gear ratio adapted for inclusion into mechanical machines, motors and pumps where there is a constant requirement for a variable transfer ratio for the variability and optimization of the load of torque that are formed by a driving shaft and driven shaft. The device features a plurality of engaged gears capable of eccentric rotation where the axis of rotation of the driven shaft is moved outside of the center axis of the driving eccentric geared segment.